

BEST AVAILABLE COPY

2491-52  
JE/SMH/P/193/USW

Nixon & Vanderhye P.C. (10/99)  
(Domestic Non-Assigned/Foreign) Page 1

**RULE 63 (37 C.F.R. 1.63)  
INVENTORS DECLARATION FOR PATENT APPLICATION  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ORTHOPAEDIC SCAFFOLDS FOR TISSUE ENGINEERING**

the specification of which (check applicable box(es)):

☐ is attached hereto  
☐ was filed on \_\_\_\_\_ as U.S. Application Serial No. 10/516,340 (Atty. Dkt. No. 2491-52)  
☒ was filed as PCT International application No. PCT/GB03/02364 on 29 May 2003  
and (if applicable to U.S. or PCT application) was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application or which priority is claimed or, if no priority is claimed, before the filing date of this application:

Priority Foreign Application(s):	Application Number	Country	Day/Month/Year Filed
	0212667.0	GB	31 May 2002

I hereby claim the benefit under 35 U.S.C. §119(a) of any United States provisional application(s) listed below.

Application Number	Date/Month/Year Filed
--------------------	-----------------------

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below:

Prior U.S./PCT Application(s):	Application Serial No.	Day/Month/Year Filed	Status: patented pending, abandoned
	PCT/GB03/02364	29 May 2003	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint Nixon & Vanderhye P.C., telephone number 703-816-4000 (to whom all communications are to be directed) and the attorneys of: **Customer Number 23117**, individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent. I also authorize Nixon & Vanderhye to add or delete attorneys from that Customer Number, and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s).

1.	Inventor's Signature:	_____	Date:	_____
	Inventor:	Leigh (first) Trevor MI CANHAM (last) GB (citizenship)		
	Residence: (city)	Malvern (state/country) Worcestershire, GB		
	Mailing Address:	c/o pSiMedica Limited, Malvern Hills, Science Park, Geraldine Road, Malvern, Worcestershire, GB		
	(Zip Code)	WR14 3SZ		
2.	Inventor's Signature:	_____	Date:	7 Feb 2005
	Inventor:	Jeffery (first) Lee MI COFFER (last) US (citizenship)		
	Residence: (city)	Fort Worth (state/country) Texas, US		
	Mailing Address:	c/o Texas Christian University, TCU Box 298860, Fort Worth, Texas, US		
	(Zip Code)	76129		

**[X] See attached sheet(s) for additional inventor(s) information!!**

913691

BEST AVAILABLE COPY

# BEST AVAILABLE COPY

2491-62  
Serial No. 10/516,340  
Page 2

Nixon & Vanderhys P.C. (10/99)  
(Domestic Non-Assigned/Foreign)

3. Inventor's Signature: Priyabrata Mukherjee Date: 4 Feb 2005  
Inventor: Priyabrata MUKHERJEE  
(first) (last)  
Residence: (city) Fort Worth (state/country) Texas, US  
Mailing Address: c/o Texas Christian University, TCU Box 298860, Fort Worth, Texas, US  
(Zip Code) 76129

FOR ADDITIONAL INVENTORS, check box ☐ and attach sheet with same information and signature and date for each.

913891

**RULE 63 (37 C.F.R. 1.63)**  
**INVENTORS DECLARATION FOR PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ORTHOPAEDIC SCAFFOLDS FOR TISSUE ENGINEERING**

the specification of which (check applicable box(es)):

☐ is attached hereto  
☐ was filed on \_\_\_\_\_ as U.S. Application Serial No. 10/516,340 (Atty. Dkt. No. 2491-52)  
☒ was filed as PCT International application No. PCT/GB03/02364 on 29 May 2003  
and (if applicable to U.S. or PCT application) was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Priority Foreign Application(s):

Application Number	Country	Day/Month/Year Filed
0212667.0	GB	31 May 2002

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number	Date/Month/Year Filed
--------------------	-----------------------

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below:

Prior U.S./PCT Application(s):

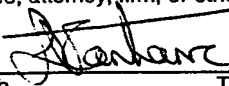
Application Serial No.  
PCT/GB03/02364

Day/Month/Year Filed  
29 May 2003

Status: patented  
pending, abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint Nixon & Vanderhye P.C., telephone number 703-816-

4000 (to whom all communications are to be directed) and the attorneys of: **Customer Number 23117**, individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent. I also authorize Nixon & Vanderhye to add or delete attorneys from that Customer Number, and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s).

1.	Inventor's Signature: 	Date: 23/02/05
	Inventor: Leigh (first) Trevor (last) CANHAM (citizenship) GB	
	Residence: (city) Malvern (state/country) Worcestershire, GB	
	Mailing Address: c/o pSiMedica Limited, Malvern Hills, Science Park, Geraldine Road, Malvern, Worcestershire, GB	
	(Zip Code) WR14 3SZ	
2.	Inventor's Signature: _____	Date: _____
	Inventor: Jeffery (first) Lee (last) COFFER (citizenship) US	
	Residence: (city) Fort Worth (state/country) Texas, US	
	Mailing Address: c/o Texas Christian University, TCU Box 298860, Fort Worth, Texas, US	
	(Zip Code) 76129	

**[X] See attached sheet(s) for additional inventor(s) information!!**

3. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Priyabrata MUKHERJEE US  
(first) MI (last) (citizenship)  
Residence: (city) Fort Worth (state/country) Texas, US  
Mailing Address: c/o Texas Christian University, TCU Box 298860, Fort Worth, Texas, US  
(Zip Code) 76129

FOR ADDITIONAL INVENTORS, check box ☐ and attach sheet with same information and signature and date for each.

RECORDATION FORM COVER SHEET

PATENTS ONLY

Our Ref.: 2491-52

Mail Stop Assignment Recordation Services

Commissioner of Patents

P.O. Box 1450

Alexandria, VA 22313-1450

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Leigh Trevor CANHAM  
Jeffery Lee COFFER  
Priyabrata MUKHERJEE

Additional name/s of conveying party/ies attached? ☐

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Assignment ☐ Change of Name  
☐ Other

Execution Date: February 4, 7, 23, 2005

2. Name and address of receiving party(ies):

Name: pSiMedica

Internal Address:

Street Address: Malvern Hills Science Park, Geraldine Road

City: Malvern, Worcestershire

State/Country: GB

Zip: WR14 3SZ

Additional name/s & address/es attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

February 4, 7, 23, 2005

A. Patent Application No(s).

(1) 10/516,340

03/25/2005 MKAYPAGH 00000149 10516340

01 FC:8021

40.00 DP

Additional numbers attached ☐ Yes ☒ No

B. Patent No(s).

(1)

(2)

(3)

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Arthur R. Crawford

Internal Address:

Street Address: Nixon & Vanderhye P.C.

1100 North Glebe Road

8<sup>th</sup> Floor

City: Arlington State: VA Zip: 22201

6. Total number of applications & patents involved: 1

7. Total fee (37 CFR 3.41) (8021) \$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account #14-1140

8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.

DO NOT USE THIS SPACE

9. Statements and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Arthur R. Crawford

Name of Person Signing

Reg. No. 25,327

Signature

March 22, 2005

Date

Total number of pages including original cover sheet, attachments, and document: [3]

# ASSIGNMENT OF PATENT APPLICATION

(Inventors) Leigh Trevor CANHAM  
Jeffery Lee COFFER  
Priyabrata MUKHERJEE

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) pSiMedica, a corporation of Great Britain  
(Address) (of Malvern Hills Science Park, Geraldine Road, Malvern, Worcestershire, GB WR14 3SZ (hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of ( in the invention, and all application(s) for patent and any Letters Patent which may be granted therefor, known as

(Other Countries) ORTHOPAEDIC SCAFFOLDS FOR TISSUE ENGINEERING (Case No. 2491-52)  
(Title) for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed (on or has already filed in (U.S. appln. Serial No. 10/516,340, filed on ).

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

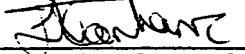
The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date	23/02/05	Signature of inventor	(  )
			Leigh Trevor CANHAM
Date		Signature of inventor	( _____ )
			Jeffery Lee COFFER
Date		Signature of inventor	( _____ )
			Priyabrata MUKHERJEE

2491-52

# ASSIGNMENT OF PATENT APPLICATION

(Inventors) Leigh Trevor CANHAM  
Jeffery Lee COFFER  
Priyabrata MUKHERJEE

(Assignee) In consideration of the sum of one dollar (\$1.00) and other good and valuable  
(Address) considerations paid to each of the undersigned, the undersigned agree(s) to assign, and  
(Other hereby does assign, transfer and set over to  
Countries) pSiMedica, a corporation of Great Britain  
(Title) (of Malvern Hills Science Park, Geraldine Road, Malvern, Worcestershire, GB WR14 3SZ  
(hereinafter designated as the Assignee) the undersigned's entire right, title and interest  
for the United States, its territories, dependencies and possessions, and for the country of  
( in the invention, and all application(s) for patent and any Letters Patent which may  
be granted therefor, known as  
ORTHOPAEDIC SCAFFOLDS FOR TISSUE ENGINEERING (Case No. 2491-52)  
for which the undersigned has (have) executed on even date herewith an application for  
patent in the United States of America or, if not on even date, then has executed  
(on or has already filed in  
(U.S. appln. Serial No. 10/516,340, filed on ).  
The undersigned acknowledges an obligation of assignment of this invention to said  
assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the  
application or any interference which may be declared and any continuing or divisional applications  
thereof and also to execute separate assignments in connection with such applications as the Assignee  
may deem necessary or expedient and further to perform any act which may be necessary in connection  
with claims or provisions of the International Convention for Protection of Industrial Property or similar  
agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a  
grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any  
and all Letters Patent of the United States resulting from said application or any division or divisions or  
continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby  
covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has  
(they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on  
this assignment any further identification which may be necessary or desirable in order to comply with the  
rules of the United States Patent Office for recordation of this document. It is understood and agreed that  
ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to  
represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned  
signature(s).

Date	Signature of inventor	(	Leigh Trevor CANHAM
Date 7 Feb 2005	Signature of inventor	(	Jeffery Lee COFFER
Date 4 Feb 2005	Signature of inventor	(	Priyabrata MUKHERJEE

913700